PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 149416-197	FOR FURTHER ACTION	See item 4 below			
International application No. PCT/JP2004/011368	International filing date (day/month/year) 06 August 2004 (06.08.2004)	Priority date (day/month/year) 06 August 2003 (06.08.2003)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant TOTO LTD.					

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a). 2. This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. 3. This report contains indications relating to the following items: Box No. II Basis of the report							
In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. 3. This report contains indications relating to the following items: Box No. I Basis of the report	1.						
3. This report contains indications relating to the following items: Box No. I Basis of the report	2.	This REPORT consists of a total of 4 sheets, including this cover sheet.					
Box No. I Basis of the report Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VII Certain observations on the international application 4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2). Date of issuance of this report 08 May 2006 (08.05.2006) The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Masashi Honda							
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4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2). Date of issuance of this report 08 May 2006 (08.05.2006) The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Masashi Honda		Box No. VII	Certain defects in the inter	national application			
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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland O8 May 2006 (08.05.2006) Authorized officer Masashi Honda	4.	not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority					
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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Masashi Honda							
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Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the		NAL SEARCHII	NG AUTHOR	ITY	NSLA	
To:						PCT
						RITTEN OPINION OF THE FIONAL SEARCHING AUTHORITY
						(PCT Rule 43bis.1)
					Date of mailing (day/month/year)	
		agent's file referen	ice		FOR FURTHER	ACTION
		-197				See paragraph 2 below
	-	oplication No. 2004/011	368	International filing date ((day/month/year)	Priority date (day/month/year) 06.08.2003
Interna	tional Pa	atent Classificatio	n (IPC) or both	national classification an	nd IPC	
Applic		mp.				
10:	LO T	TD.				
1.	This	opinion contains i	ndications r e la	ting to the following item:	s:	
	\boxtimes	Box No. I	Basis of the	opinion		
		Box No. II	Priority			
		Box No. III	Non-establi	shment of opinion with re	gard to novelty, inven	tive step and industrial applicability
		Box No. IV	Lack of unit	ty of invention		
	\boxtimes	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
		Box No. VI	Certain doc	ertain documents cited		
		Box No. VII	Certain defe	ects in the international ap	plication	
		Box No. VIII	Certain observations on the international application			
2.	FUR	THER ACTION				
	Interr than t	national Prelimina this one to be the	ry Examining IPEA and the	Authority ("IPEA") excep	ot that this does not ap	ill be considered to be a written opinion of the oply where the applicant chooses an Authority other au under Rule 66.1 bis(b) that written opinions of the opinion opinion of the opinion opi
	writte	en reply together,	where approp	considered to be a writte priate, with amendments, of 22 months from the pr	before the expiratio	A, the applicant is invited to submit to the IPEA n of 3 months from the date of mailing of Fort expires later.
	For fo	urther options, see	Form PCT/IS	√220 .		
3.	For fo	urther details, see	notes to Form	PCT/ISA/220.		
Name	and mail	ing address of the	: ISA/JP		Authorized officer	
					-	
Facsin	ile No.				Telephone No.	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/011368

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
		Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ation, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addi	tional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/011368

Bo			ule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-47	YES
		Claims		NO
	Inventive step (IS)	Claims		YES
	•	Claims	1-47	. NO
	Indicated english the CIA		1 47	•
	Industrial applicability (IA)	Claims	1-47	YES NO
		Claims		, NO
2.	Citations and explanations:			
	Document 3: JP, 2002-1 Document 4: JP, 8-2501 Document 5: JP, 5-3643 Document 6: JP, 10-745 Document 7: JP, 2002-1 Claims 1-47 The subject matters of Documents 1 and 2 difference side overlappe electrode. Documents 3-7 descriptions of the air electrode side. It is recognized that a	34132, A 34, A (T 3, A (NO 28, A (NO 5754, A f claims escribe a d with th ibe a me rode con person method	A (Kyocera Corp.), 10 May, 2002 (10.05.02) A (Kyocera Corp.), 10 May, 2002 (10.05.02) A (Kyocera Corp.), 10 May, 2002 (10.05.02) A (Kyocera Corp.), 12 February, 1993 (12.02.93) Bippon Telegraph and Telephone Corp.), 17 March, 1998 (17.03) Bippon Telegraph and Telephone Corp.), 17 March, 1998 (17.03) Bippon Telegraph and Telephone Corp.), 18 January, 2002 (18.01.02) 1-47 do not appear to involve an inventive step. A layer having a manganese content in the surface facing the fue invention of this application and being in contact with the fue though the controlling the diffused amount of manganese, which imposing a perovskite oxide, through the electrolyte to the fuel skilled in the art could have easily controlled the diffused amound disclosed in documents 3-7 in order to form the layer containing documents 1 and 2.	el el is